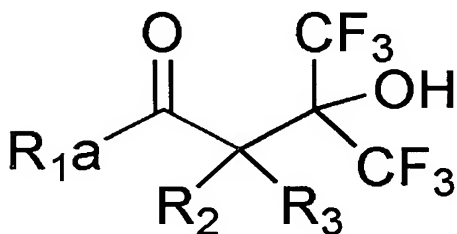


ABSTRACT

The present invention relates to, for example, a fluorine-containing cyclic compound represented by the following general formula (1).

5 [Chemical Formula 47]



(1)

In the general formula (1), R_{1a} is a C₁-C₂₅ cyclic alkyl group, cyclic alkenyl group or cyclic alkynyl group; each of R₂ and R₃ is independently a hydrogen atom, a halogen atom, or a C₁-C₂₅ straight-chain, branched or cyclic alkyl group; and each of R_{1a}, R₂ and R₃ may contain fluorine atom, oxygen atom, sulfur atom, nitrogen atom or an atomic group containing a carbon-carbon double bond.

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